

## Personal data:

Name: Bart van Haaff

Nationality: Dutch

Date of birth: 04/05/1966

Place of birth: The Hague

Address: Dorpsstraat 34

City: Goudswaard, ZH

ZIP Code: 3267 AG

Telephone: 0186-693793

Mobile: 06-17256966

E-mail: <mailto:bart@excode.nl>

Website: [www.excode.nl](http://www.excode.nl)

LinkedIn profile: <http://www.linkedin.com/in/bartvanhaaff>

VAR: WUO

KVK: 24444633

## Summary

20 years of continuous professional software development experience, mostly on the Microsoft Windows platform. Worked extensively with all major Microsoft frameworks and technologies, including Visual Studio, COM, .NET, ASP.NET, SharePoint, SQL Server, DirectX, WPF, C#, C++, MFC, and ATL. Spend many years building and shipping commercial products gaining experience in large scale software projects, software product lifecycles, development team dynamics, configuration management and customer support issues. Currently available as a freelance consultant.

## Competences:

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Competence	Level	Remarks
Programming languages	C, C++: 20 years C#: 10 years JavaScript, 2 years	Including the C++ Standard Template Library (STL)  Including C++/CLI on .NET
OO analyses and design	15 years	Design patterns, UML, component based development, test driven development, SCRUM
Technologies		Microsoft C7.0 → Visual Studio.NET.2010, MFC, ATL, COM(+), ActiveX, .NET, .NET Compact Framework, .NET COM Interop, XML, WCF, WPF, (P)LINQ, ASP.NET, jQuery, AJAX, CCS, (managed) DirectX, WSS3.0/MOSS2007 (SharePoint), Progress Orbix CORBA middleware
Databases	10 years	SQL (ADO.NET & LINQ) with Microsoft SQL Server (Enterprise, Compact, Express), Oracle 10
OS's		Windows 2000, Windows XP, Windows Vista, Windows 7, Windows CE, HP Unix (dated)
Tools		Visual Studio, Rational ClearCase, Rational Purify, Rational ClearQuest, Microsoft Office, Rational XDE, Microsoft Expression (Design & Web), InstallShield, WIX installer toolkit, TestPartner, SubVersion, Team Foundation Server (TFS)
Soft skills	~10 years	Technical team lead, coaching, interviewing and hiring, employee performance evaluation, presenting and training

## Education:

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Various professional seminars and conferences; Microsoft Developer Days, Visual C++ DevCon, Comdex Object World

2010 Microsoft SharePoint Connections 2010 Conference, Amsterdam

2009 Microsoft Silverlight, MSDN Intrack training

2006 Several internal *EDS* courses for .NET

2005 *EDS* training management essentials

2004 *Selfstudy*; Microsoft .NET framework and languages

2003 *SOLCORP*: Building Strong Managers

2002 Employee Performance Reviews

1997 *IPV*: Middle Management Training

1996 *Cayenne*, Delft: UML, Object oriented analyses and design

1995 *DataSim Education*: C++ and Design Patterns

1993 *Nestor Inc. USA*: neural network technology for optical character recognition

1985-1989 *TH Rijswijk*, Technical Computer Science (TCK):

Graduation with Philips Eindhoven; development of a PC extension (soft- and hardware) card for a home automation system.

## Freelance projects:

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### **08/2011-present, Shell Oil Company, Rotterdam**

Development of Shell's global asset tracking & document management system (AIM-EDMS). AIM is a distributed enterprise system that integrates data stored in SAP R3 with data stored in Oracle 10 and electronic documents stored in FileNet P8 and is in use for about 10 years within the Shell organization with thousands of users. My role is to implement new functionality in the system and improve overall quality and stability. Tools and technologies used: Visual Studio 2005/2010, C++ with MFC, .NET/C# and C++/CLI, ASP.NET, Progress Orbix CORBA 3.3 middleware, SAP R3 Remote Function Calls, Oracle Pro/C and Microsoft Team Foundation Server. The development process is SCRUM based.

### **2006-present, owner at Game Show Crew V.O.F**

Development of a commercial system for running multiplayer game shows and pub quizzes. (see <http://www.quizxpress.com> for more details). Tools: .NET, Visual Studio 2008, C#, Managed DirectX 9.0c, USB interfacing, WIX (installer technology). Other areas involved: website construction, Joomla administration, SEO, Google Analytics & AdSense, writing marketing materials, customer contacts, support services, business administration.

### **06/2011-08/2011, subcontractor for DeKraa Engineering, Oud-Beijerland**

Development of a factory control/monitoring system using Visual Studio 2010, .NET/C# 4.0, Microsoft SQL Server Compact Edition, Siemens Profibus/OPC PLC communication, Infinity RFID Tag readers, UDP/IP socket programming.

### **03/2011-05/2011 Crédit Agricole Consumer Finance, France**

Development of two interactive multimedia games to be used for marketing and training purposes in the insurance market using Visual Studio 2010, C# on .NET 4 and XAML on Windows Presentation Foundation (WPF).

### **10/2010-03/2011, HBM, Inc. (Hottinger Baldwin Messtechnik) Dongen (R&D)**

Development of a high speed XY display component for the HBM Perception data acquisition system using Visual Studio 2010, .NET 4.0, Windows GDI, C#, multithreading with TPL, (P)LINQ. See also <http://www.hbm.com/en/menu/products/measurement-electronics-software/high-speed-data-acquisition/software-for-high-speed-data-acquisition/perception/>

### **05/2010-10/2010, product-zoeken.nl**

Web developer at 'Product-zoeken.nl'. Conversion of a product search engine from classic ASP to C#/ASP.NET 3.5 and extending its functionality. Environment: .NET 3.5, C#, SQL Server 2008, ASP.NET, jQuery 1.4, CCS, AJAX, WCF. See <http://www.product-zoeken.nl>.

**06/2010-07/2010, DWI Solutions**

Development of a management KPI dashboard for a taxi control room using VS2008, C#, WinForms and SQL Server Compact Edition.

**07/2009, Invensys Process Systems B.V., Baarn**

Conducted a training course for (Java) developers on Visual Studio 2008, C#, ASP.NET and MS Message Queue (MSMQ)

**11/2008-5/2010, VSP B.V. (insurance broker) Oud-Beijerland**

Development of a document management/workflow system based on SharePoint 2007 using MOSS/WSS object model and web services. Development of a Windows service to convert incoming documents to PDF for storage in SharePoint as well as software to convert an archive of 2.5 million TIF documents (stored in SharePoint 2003) to searchable PDF. Development of several custom SharePoint webparts and supporting tools. Environment C#, .NET 3.5, SQL Server 2008, Visual Studio 2008, several 3<sup>rd</sup> party toolkits (Aquaforest Autobahn PDF conversion toolkit, Aspose.NET, iText PDF toolkit, ...)

Development of an AJAX enabled car insurance quotation front-end on ASP.NET/SharePoint (with JavaScript, jQuery 1.4, WCF AJAX services and consuming 3<sup>rd</sup> party web services), see <http://www.vspbv.nl/Particulier/Pages/BerekenAutoVerzekering.aspx>

## Jobs:

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### **SOLCORP/EDS/HP (<http://www.solcorp.com>)**

2000-2008

Development of the *ProductXpress* suite (see <http://h10134.www1.hp.com/industries/financial/solcorp/products/productxpress/>). This commercial software product allows organizations to model their financial data and actuarial mathematics in an integrated collaborative environment. The models can be exported and executed in a runtime calculator that scales from PDA's to IBM Z/OS mainframes. My team is responsible for the end-user design environment (and its user interface). The product is sold to customers worldwide. We develop in parallel on multiple releases, using best practices like configuration management, code generation, automated daily builds, test driven development and feature teams.

Role: team lead/senior developer

Tools: Visual Studio 2003/2005, C++, C#, MC++, COM, XML, various third party components and libraries (commercial and open source e.g. Infragistics NetAdvantage), IBM Rational ClearCase/ClearQuest, Purify, Compuware DevPartner

Platforms: client runs on XP/Vista, servers run on various platforms (AIX, Linux, Win32, Win64)

### **Essentium B.V. (this company no longer exists)**

1997-2000

Development of a commercial product suit for actuarial mathematics (*IPDE Life Edition*) that targets the American and Dutch insurance market.

Tools/technologies: Microsoft Visual C++, MFC, ATL, STL, Roquewave Objective Toolkit, (D)COM(+), Visual Basic, Microsoft Transaction Server, ODBC, Oracle 7/8, MS SQL Server 7, IIS/ASP, IE, XML, Windows Installer (InstallShield scripting);

Role: technical lead/senior developer

1995-1997

Design and implementation of a RAD environment targeting the call centre market. This product consists of a development tool with a GUI designer, a graphical programming language (software-by-pictures), a database interface and a runtime execution engine.

The product has been implemented in projects at ANOZ (insurance company) and Aegon Germany.

Tools/technology: Visual C++ 1.52/MFC2.0, Kofax Image Controls/Toolkit, Microsoft ODBC API

Role: senior software developer, later technical lead (as the team expanded)

1994-1995

Design and development of various software components that make up a “paperless office” at a call centre for an Aegon startup in Germany. The system integrates a workflow engine with image processing capabilities and the company’s telephone hub.

Tools/technology: Visual C++ 1.52/MFC2.0, Oracle Pro/C, OSF-Distributed Computing Environment (DCE), Oracle 7.0 Parallel Server, Kofax Imaging Toolkit, HP-UX9.0, Windows NT3.1, Windows 3.11

Role: senior software developer

*1993-1994*

Design and implementation of an imaging system for DHL Europe. The system scans and archives up to 50000 DHL airway bill’s a day. I’ve also been involved in the roll-out to DHL offices in various European countries.

Tools: Visual C++, Visual Basic, Windows Sockets API, Informix ESQL/C on HP-UX and Windows, Informix Online 5.0, HP-C compiler, HP-UX Shell Scripts, Kofax Imaging Toolkit, Informix Optical Storage API, HP-UX9.0, Windows 3.11

Role: senior developer

*1991-1993*

Development of a stand alone electronic image archive system for insurance agents

Tools: Microsoft C, Novell Btrieve database, Kofax Image Toolkit, Novell Server, Windows 3.11

Implementation of an intelligent character recognition (ICR) system for AT&T, using neural network technology.

Tools: Plexus 4GL, Microsoft C, AT&T integration toolkit for image scanners.

Implementation of a client/server image archiving system for Nationale Nederlanden.

Tools: Plexus 4GL, Informix Turbo, Windows 3.0, SCO-UX

Role: software developer

**Jama Engineering B.V. 1990-1991 (<http://www.laser-jama.nl/>)**

Development of a real-time data acquisition system to collect motorcycle engine performance data in Microsoft C7/DOS.

Development of a control/material optimization system for a tube-cutting machine using Microsoft C with a PLC interface.

Development of a factory logistics system in Clipper’87.